

L3 ANSWER 1 OF 1 CA COPYRIGHT 2002 ACS
 AN ***123:177515*** CA
 TI Waterproofing of oxide and nitride ceramic granules, and ceramics
 manufactured from the granules
 IN Nakazawa, Tetsuo; Kono, Kazushige; Soeda, Atsuko
 PA Hitachi Ltd, Japan
 SO Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM C04B035-628
 ICS B01J002-28; B01J002-30; C04B035-00; C04B035-58; C04B035-626;
 C04B041-82
 CC 57-2. (Ceramics)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07157369	A2	19950620	JP 1993-310030	19931210
AB	<p>The granules are manufd. from primary particles of <u>water-repellent material-coated hygroscopic</u> ceramic powders selected from .gtoreq.1 of superconductive oxides, alk. earth oxide-rich powders, and nitrides. The water-repellent materials have contact angle with water .gtoreq.80.degree., and are C.gtoeq.5 paraffins or fatty materials, e.g., palmitic acid, stearic acid, oleic acid, linoleic acid, linolenic acid and/or sardine acid. The granules are manufd. by mixing the ceramic powder with the water-repellent materials, and granulating the mixt. Alternatively, the granules are manufd. by coating the ceramic powder with a water-repellent material, dispersing the mixt. in an aq. or org. soln. of a water- or solvent-sol. binder, and spray granulating the material. Optionally, the ceramic particles are manufd. from calcined material by grinding with the water-repellent materials.</p>				
ST	<p>waterproofing ceramic powder hydrophobic coating; paraffin coating ceramic powder; fatty material coating ceramic powder; superconductive oxide powder coating; nitride ceramic powder coating; alk earth oxide ceramic coating</p>				
IT	<p>Fatty materials (coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)</p>				
IT	<p>Alkaline earth oxides RL: TEM (Technical or engineered material use); USES (Uses) (coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)</p>				
IT	<p>Superconductors (oxides; coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)</p>				
IT	<p>Alkanes, uses RL: TEM (Technical or engineered material use); USES (Uses) (C>4, coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)</p>				
IT	<p>Waterproofing (agents, coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)</p>				
IT	<p>Ceramic materials and wares (powd., coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)</p>				
IT	<p>Fats and Glyceridic oils RL: TEM (Technical or engineered material use); USES (Uses) (sardine, coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)</p>				
IT	<p>Coating materials (water-resistant, coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)</p>				
IT	<p>117127-99-8P, Barium calcium copper oxide RL: PEP (Physical, engineering or chemical process); PNU (Preparation, unclassified); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); PROC (Process); USES (Uses) (ceramics; coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)</p>				
IT	<p>10043-11-5, Boron nitride, processes 24304-00-5, Aluminum nitride</p>				

RL: PEP (Physical, engineering or chemical process); PRP (Properties); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(ceramics; coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)

IT 1304-28-5, Barium oxide, processes 1305-78-8, Calcium oxide, processes 1344-70-3, Copper oxide

RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)

IT 57-10-3, Palmitic acid, uses 57-11-4, Stearic acid, uses 60-33-3, Linoleic acid, uses 112-80-1, Oleic acid, uses 463-40-1, Linolenic acid

RL: TEM (Technical or engineered material use); USES (Uses)
(coating of oxide and nitride ceramic powder with paraffins or fatty materials for decreased hygroscopicity)